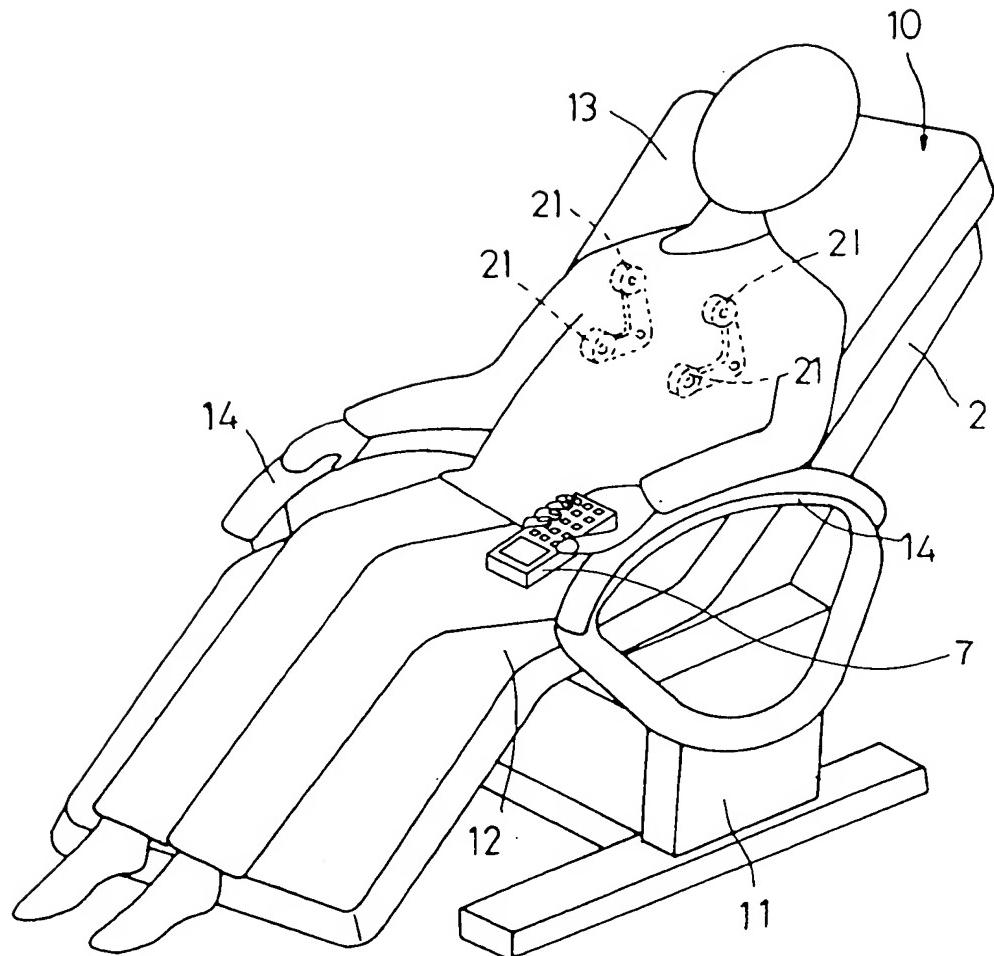


FIG.1



4,636,354 3/25/87 2,323,302

FIG.2

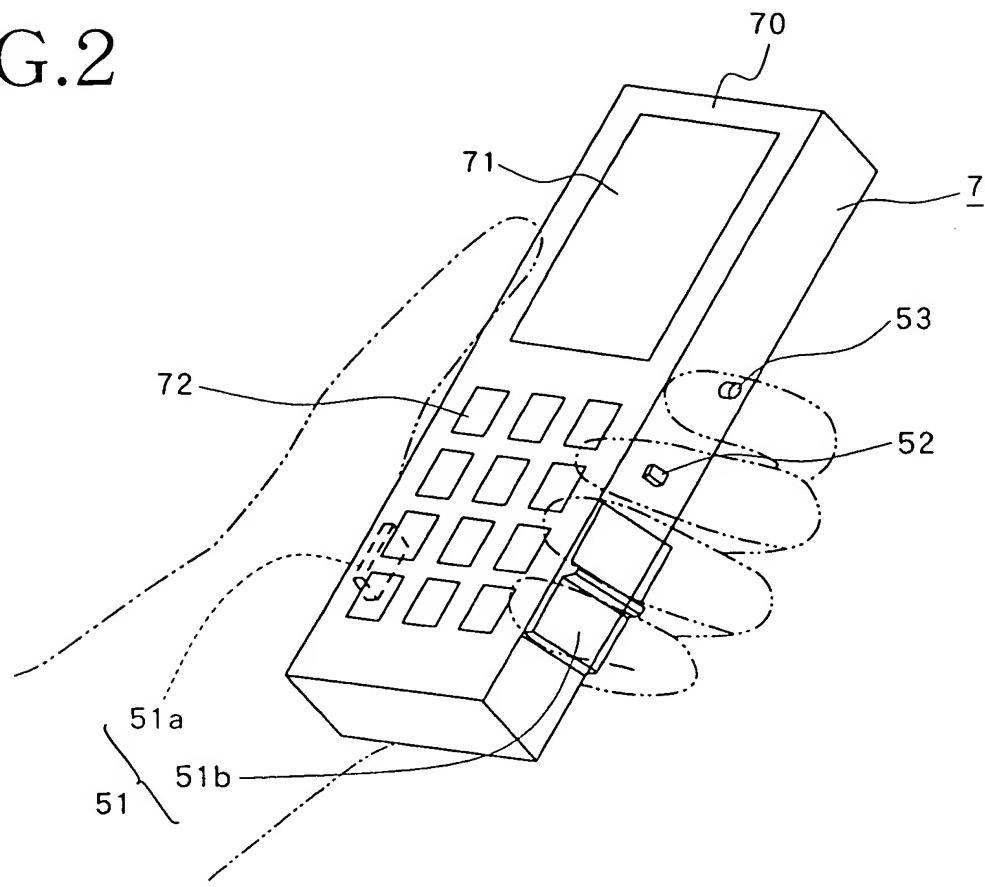


FIG.3

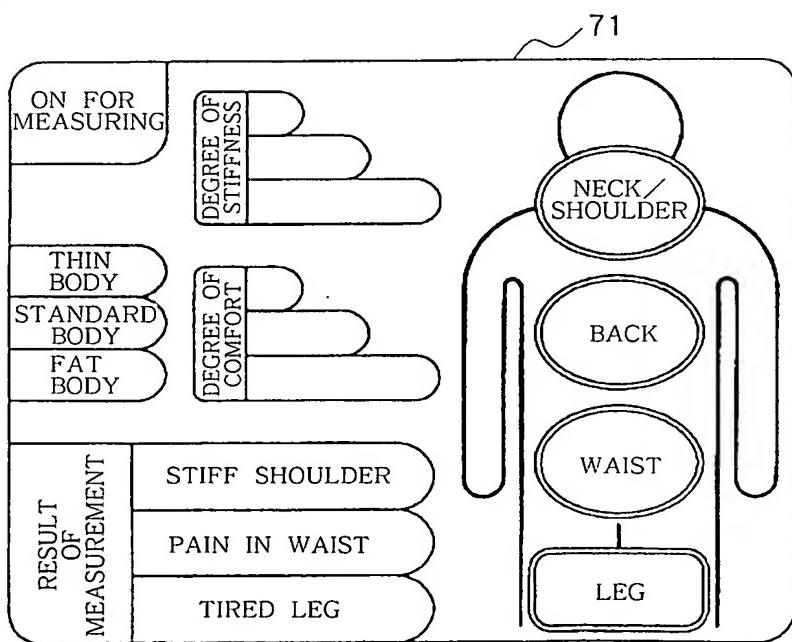


FIG.4

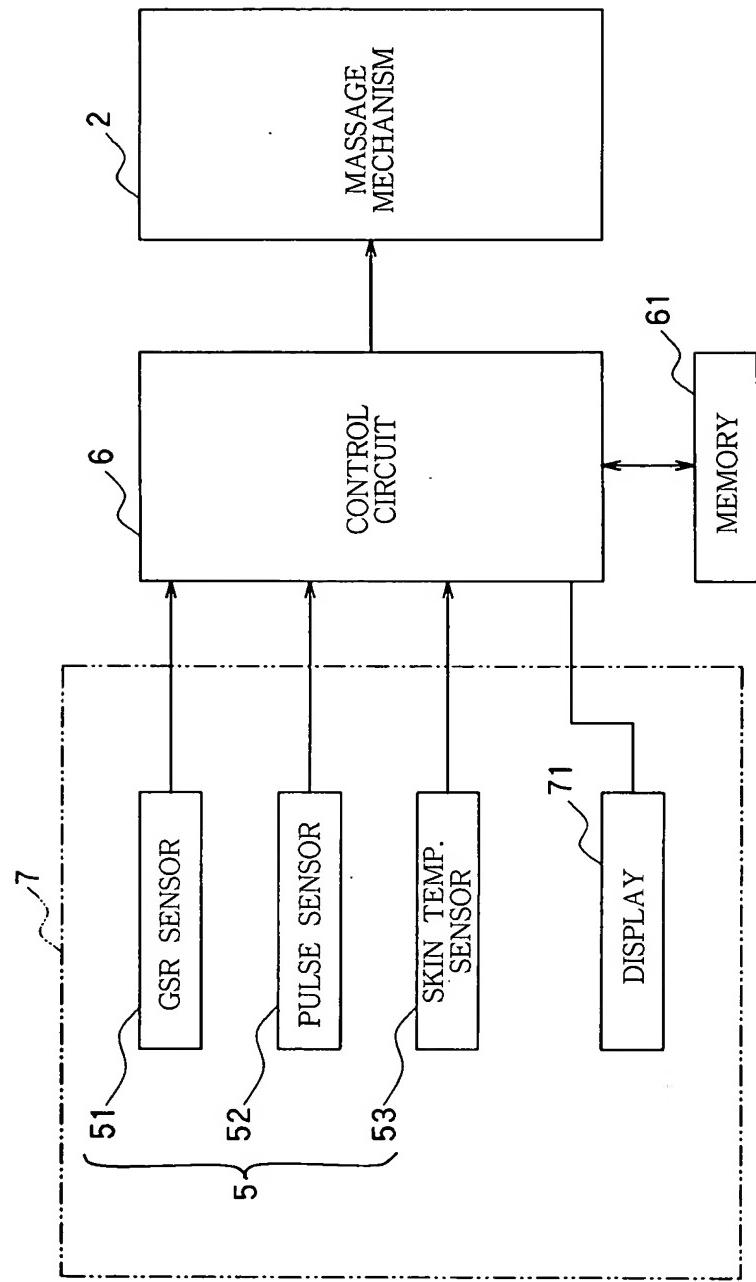


FIG. 5

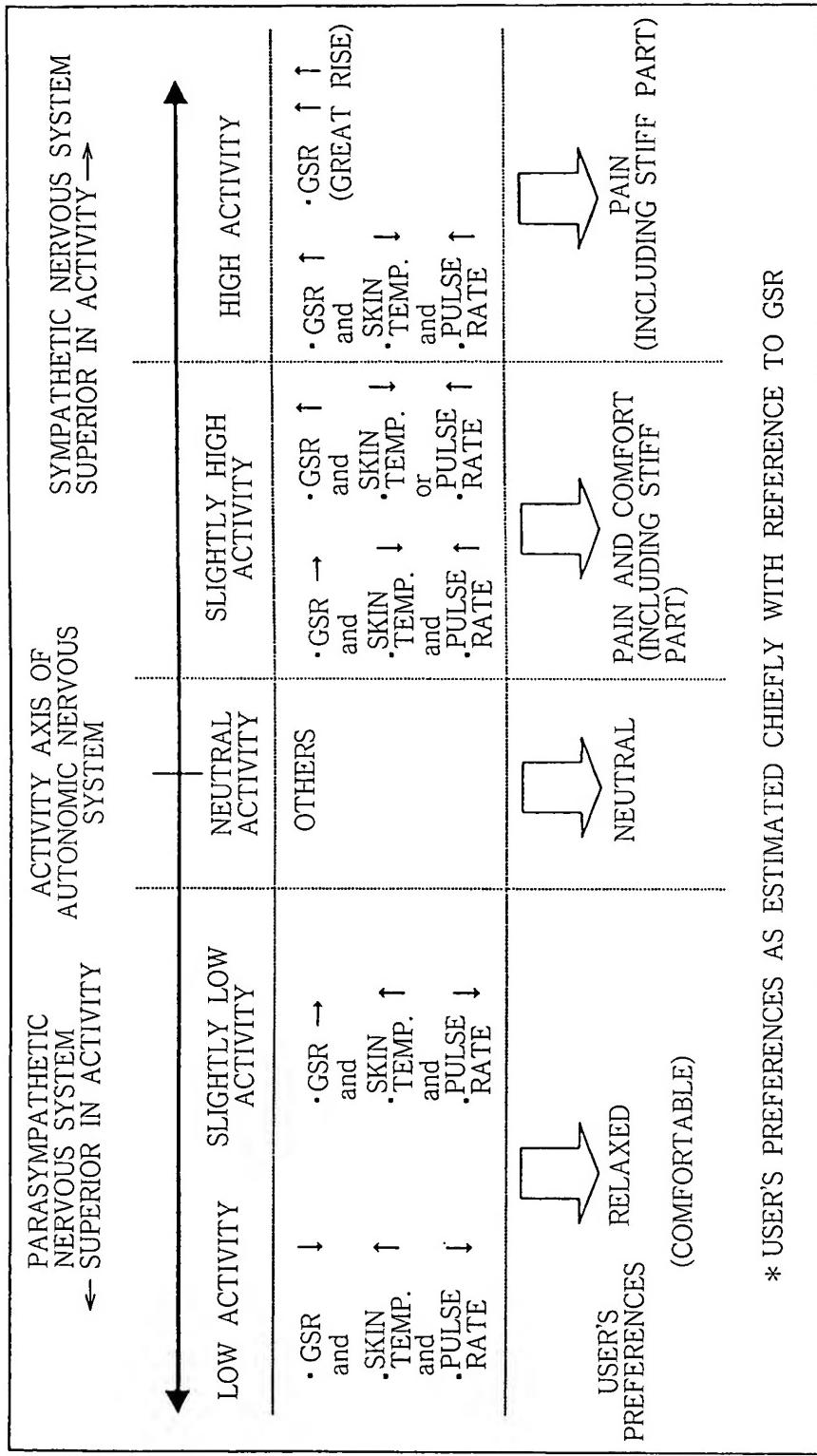
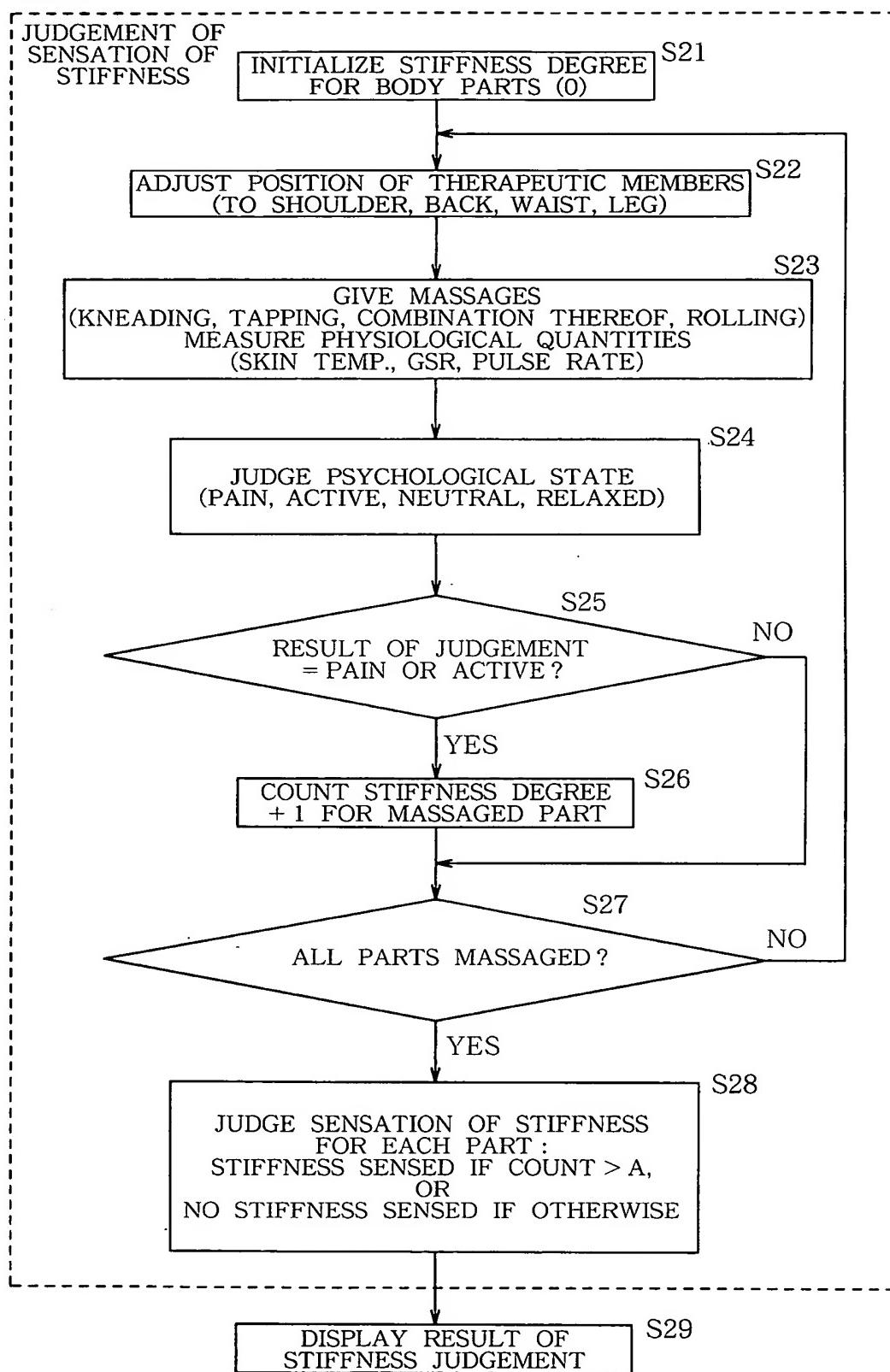


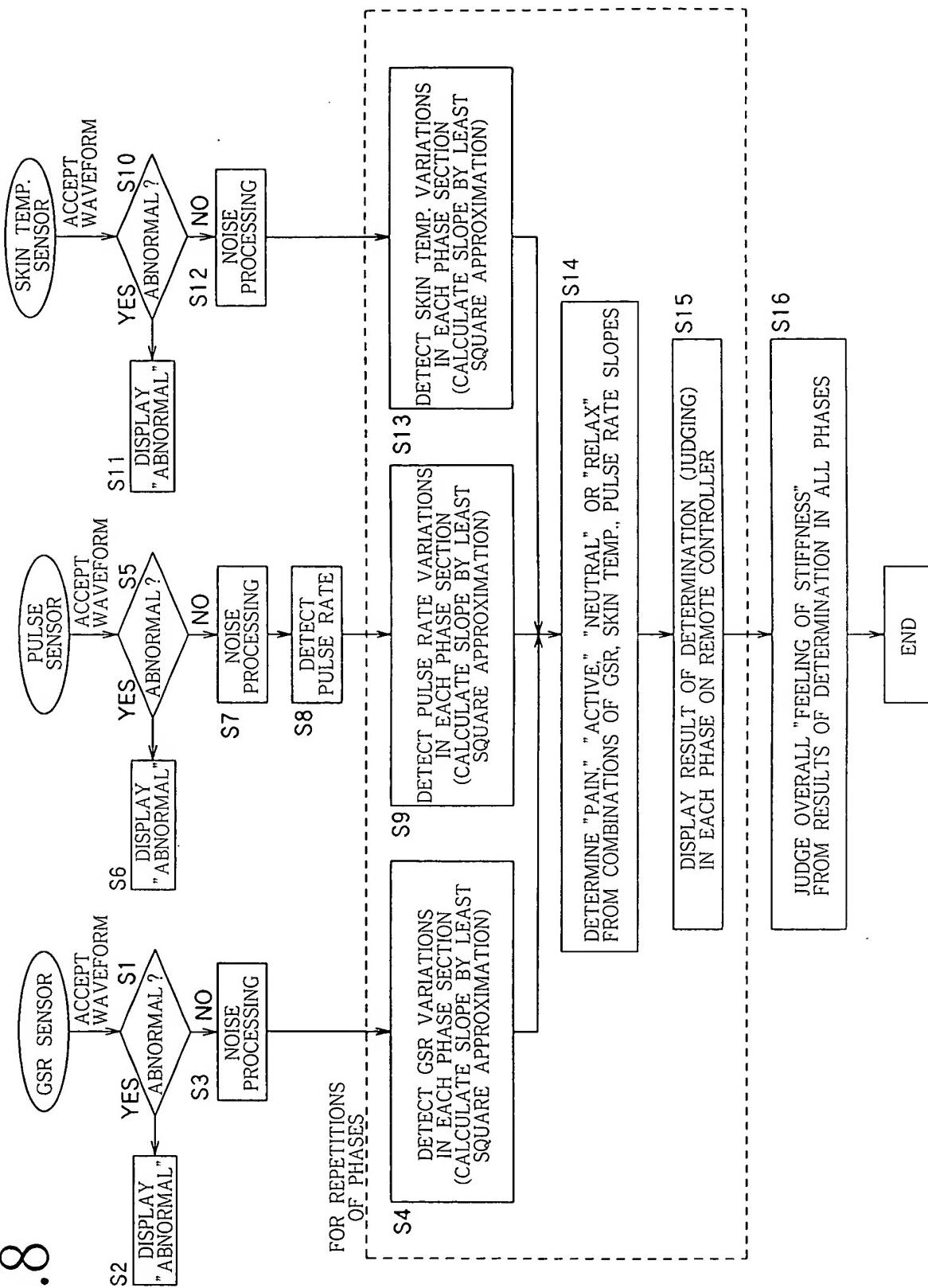
FIG. 6

JUDGMENT	GSR	SKIN TEMP.	PULSE
RELAXED	$\Delta G \leq -A/\text{SEC}$ $\Delta G \leq -A/\text{SEC}$ $\Delta G \leq -A/\text{SEC}$ $-A/\text{SEC} < \Delta G \leq +B/\text{SEC}$	$\Delta T < 0$ $\Delta T \geq 0$ $\Delta T \geq 0$ $\Delta T \geq 0$	$\Delta H < 0$ $\Delta H < 0$ $\Delta H \geq 0$ $\Delta H < 0$
NEUTRAL	$\Delta G \leq -A/\text{SEC}$ $-A/\text{SEC} < \Delta G < +B/\text{SEC}$ $-A/\text{SEC} < \Delta G < +B/\text{SEC}$ $+B/\text{SEC} < \Delta G < +C/\text{SEC}$	$\Delta T < 0$ $\Delta T < 0$ $\Delta T \geq 0$ $\Delta T \geq 0$	$\Delta H \geq 0$ $\Delta H < 0$ $\Delta H \geq 0$ $\Delta H < 0$
ACTIVE	$-A/\text{SEC} < \Delta G < +B/\text{SEC}$ $+B/\text{SEC} < \Delta G < +C/\text{SEC}$ $+B/\text{SEC} < \Delta G < +C/\text{SEC}$	$\Delta T < 0$ $\Delta T < 0$ $\Delta T \geq 0$	$\Delta H \geq 0$ $\Delta H < 0$ $\Delta H \geq 0$
PAIN	$+B/\text{SEC} < \Delta G < +C/\text{SEC}$ $\Delta G \geq +C/\text{SEC}$	$\Delta T < 0$ don't care	$\Delta H \geq 0$ don't care

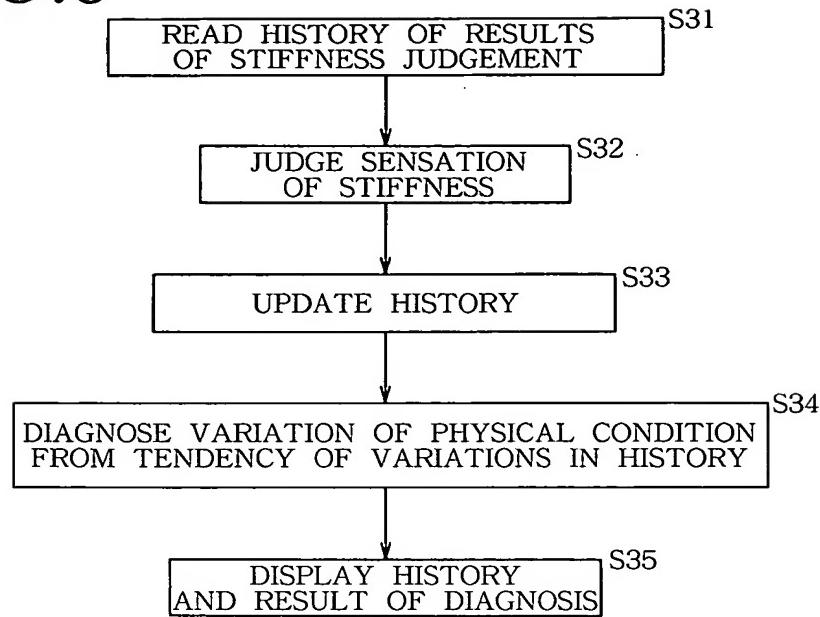
FIG.7



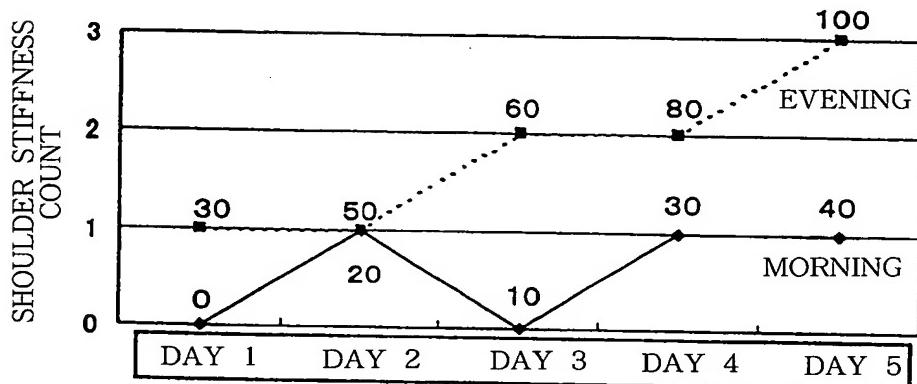
**FIG. 8**



# FIG.9



# FIG.10



Figures (0 – 100) given to marks  
are subjective values of shoulder stiffness.

0 : NO SENSATION OF  
STIFFNESS IN SHOULDER

100 : VERY STIFF SHOULDER SENSED

FIG.11 (a)

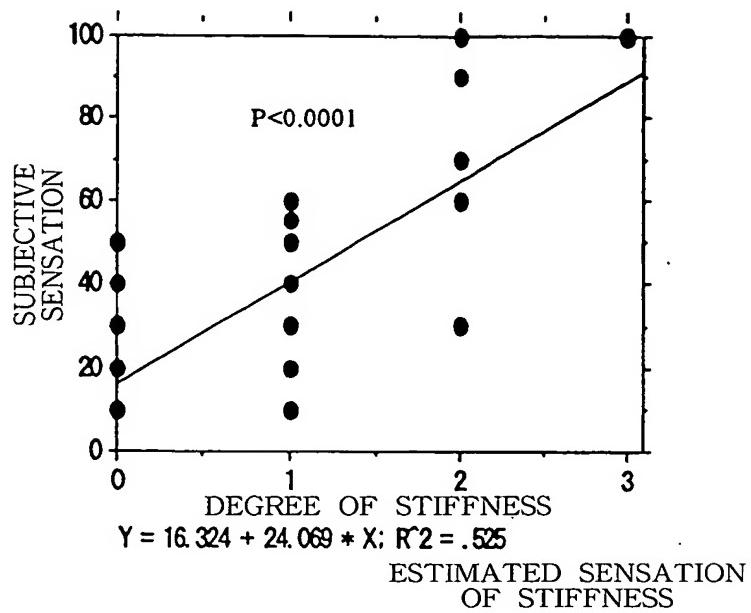


FIG.11 (b)

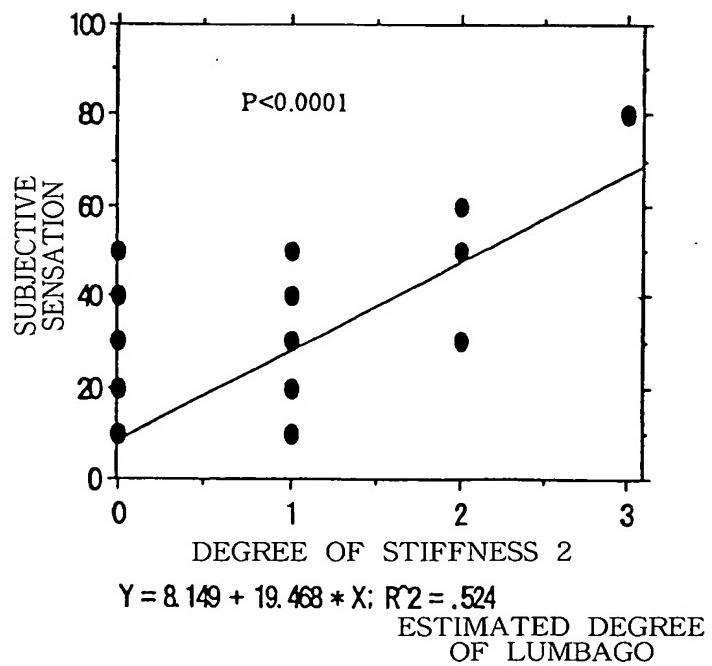


FIG.12

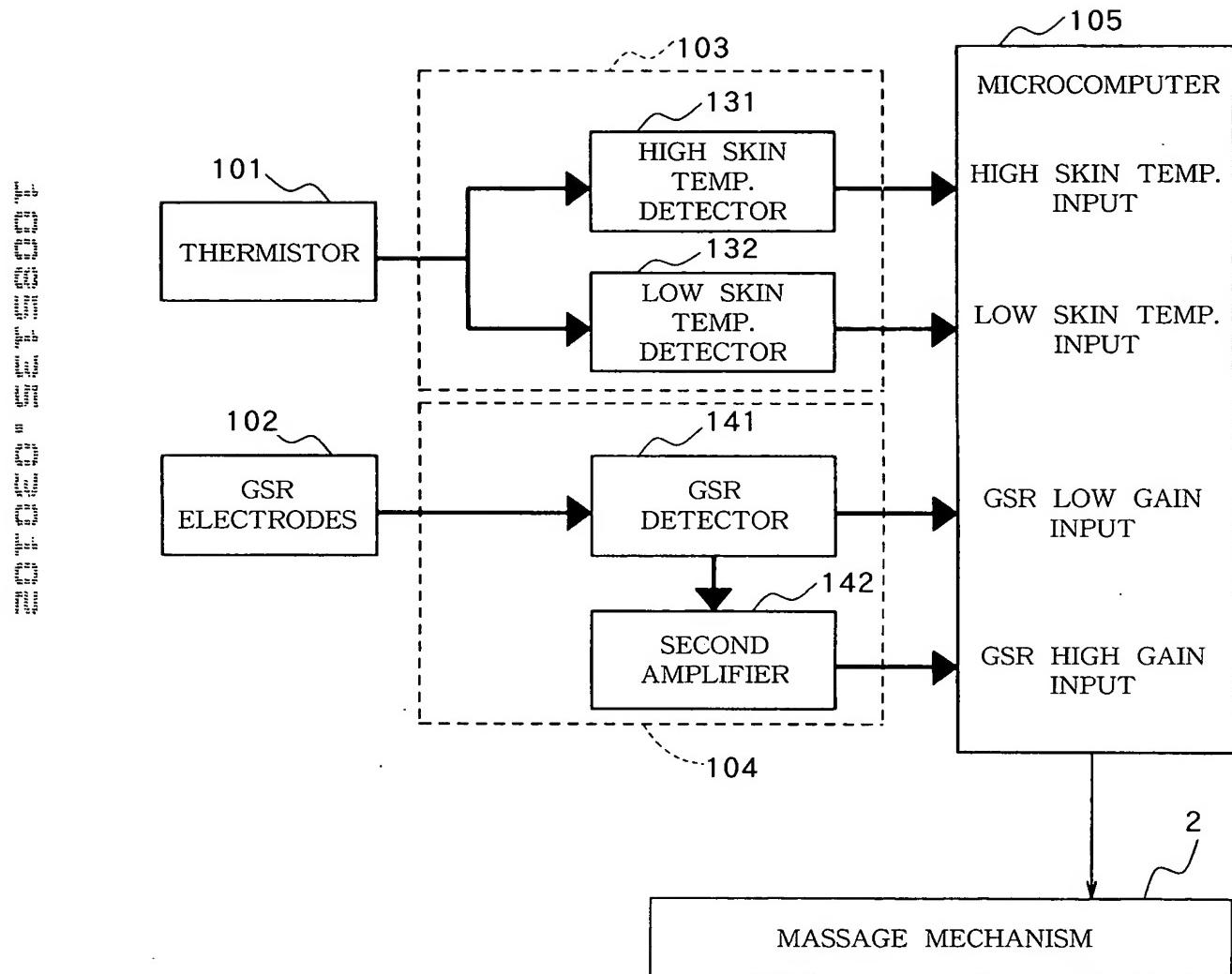


FIG.13

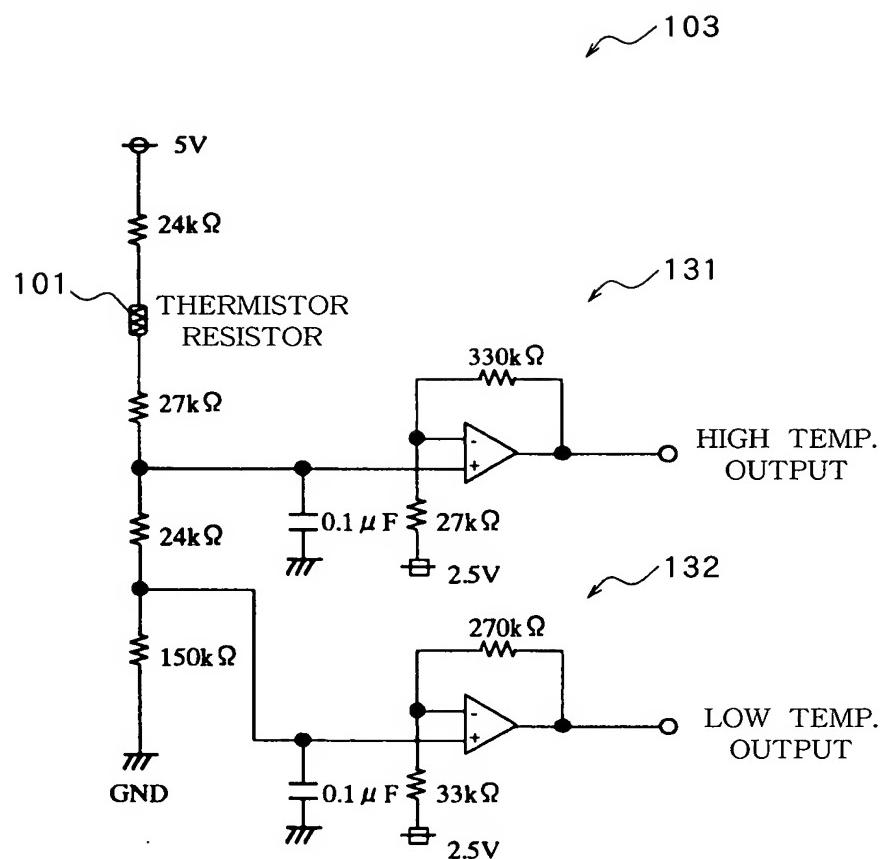


FIG. 14

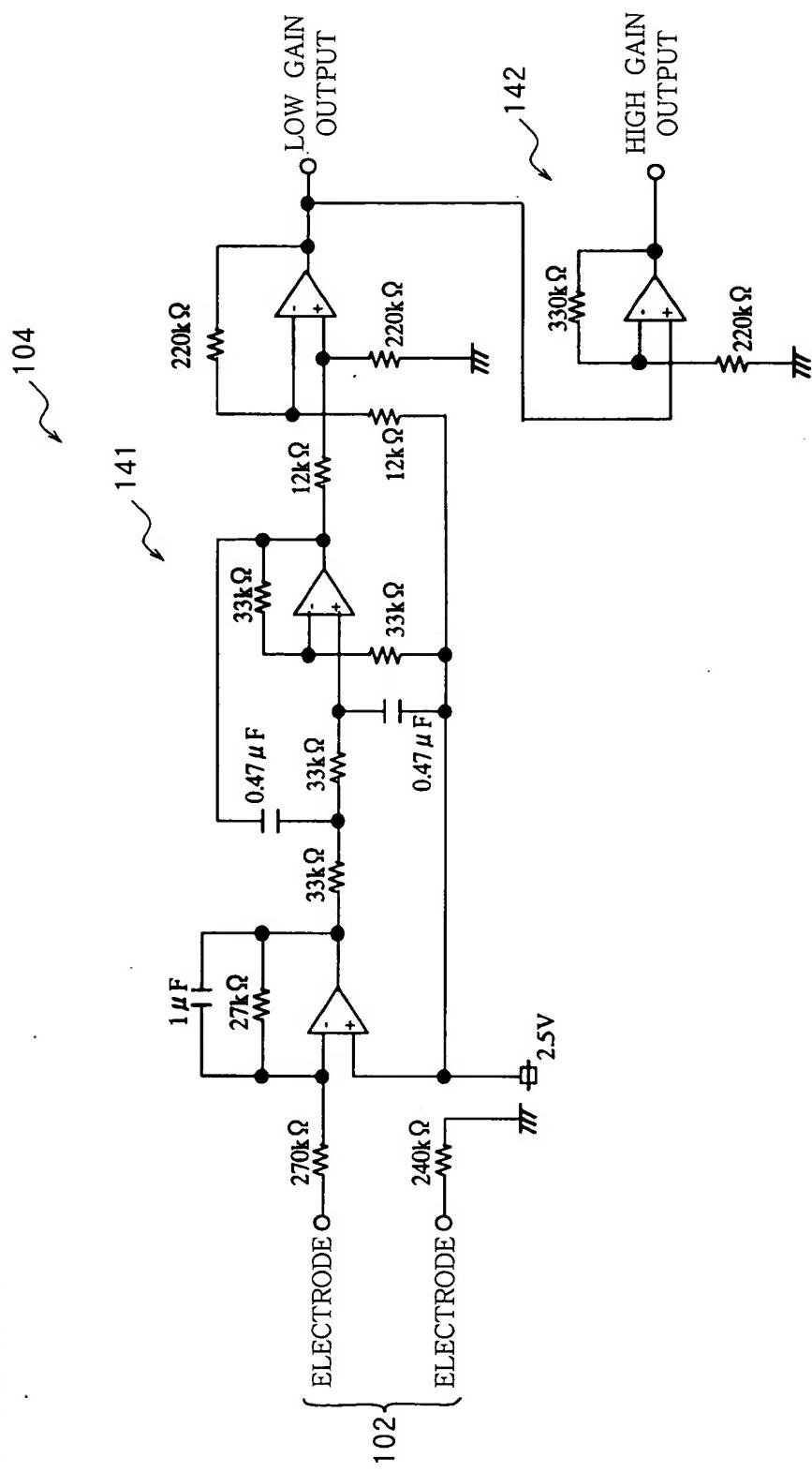


FIG.15

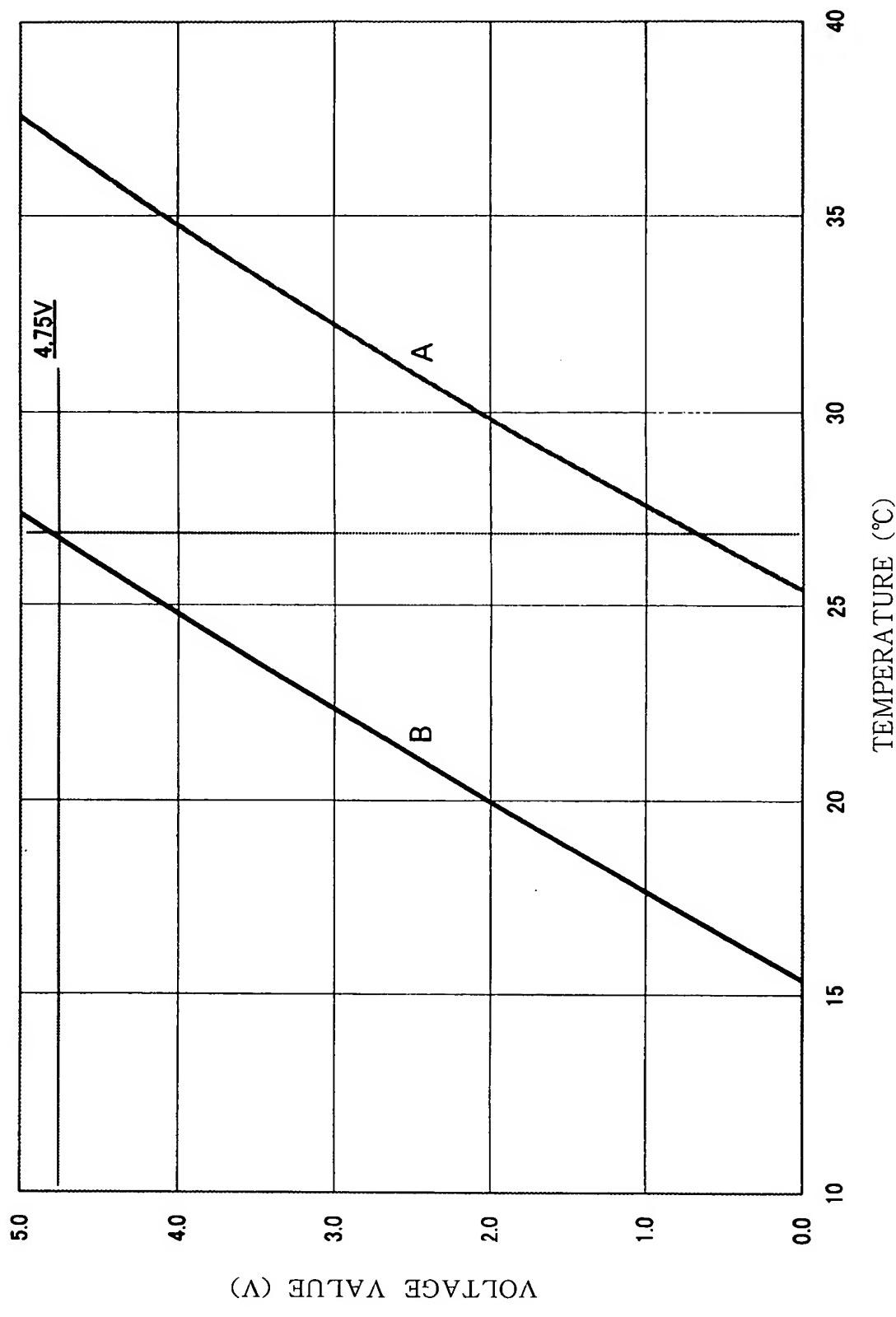


FIG.16

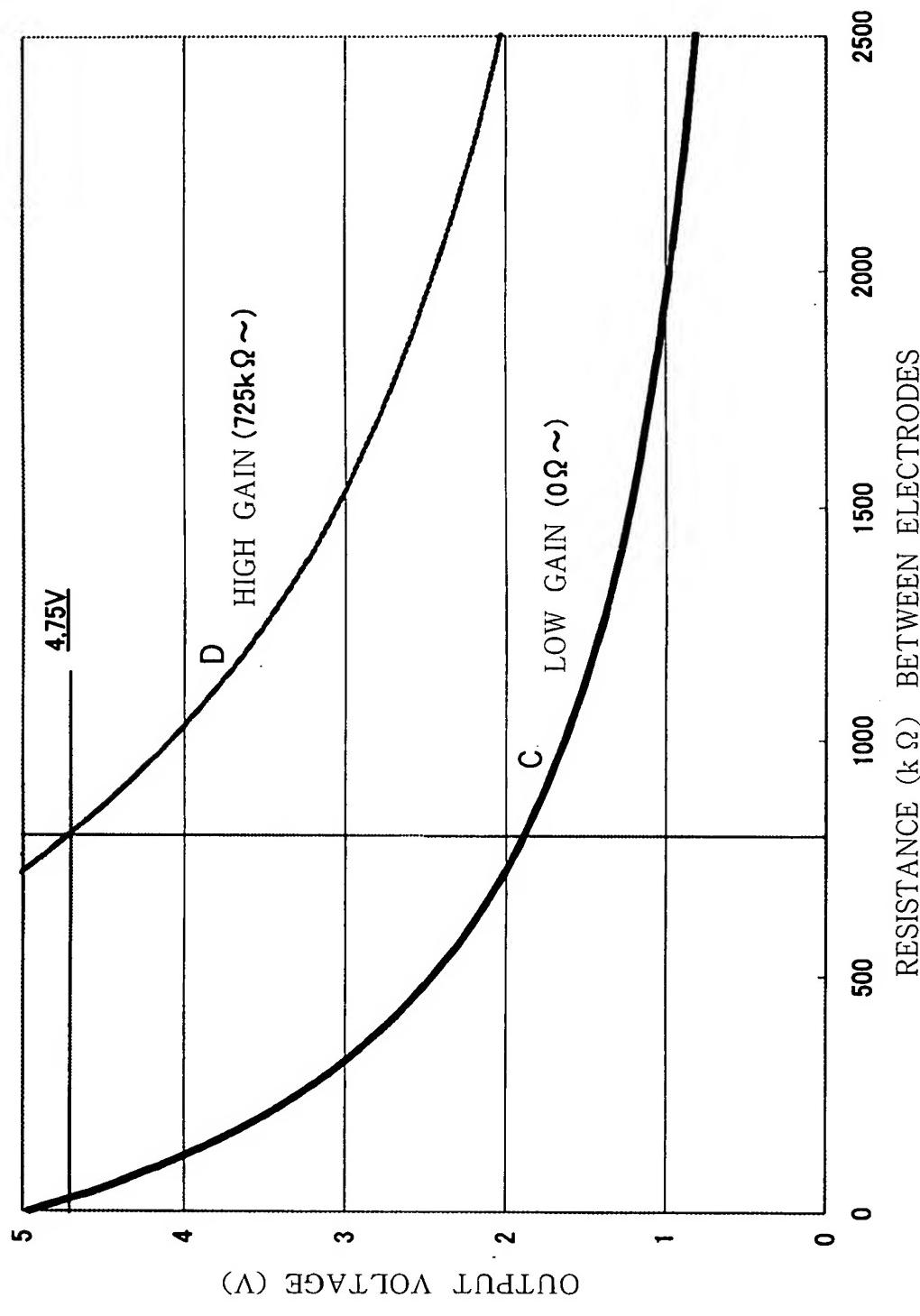


FIG.17

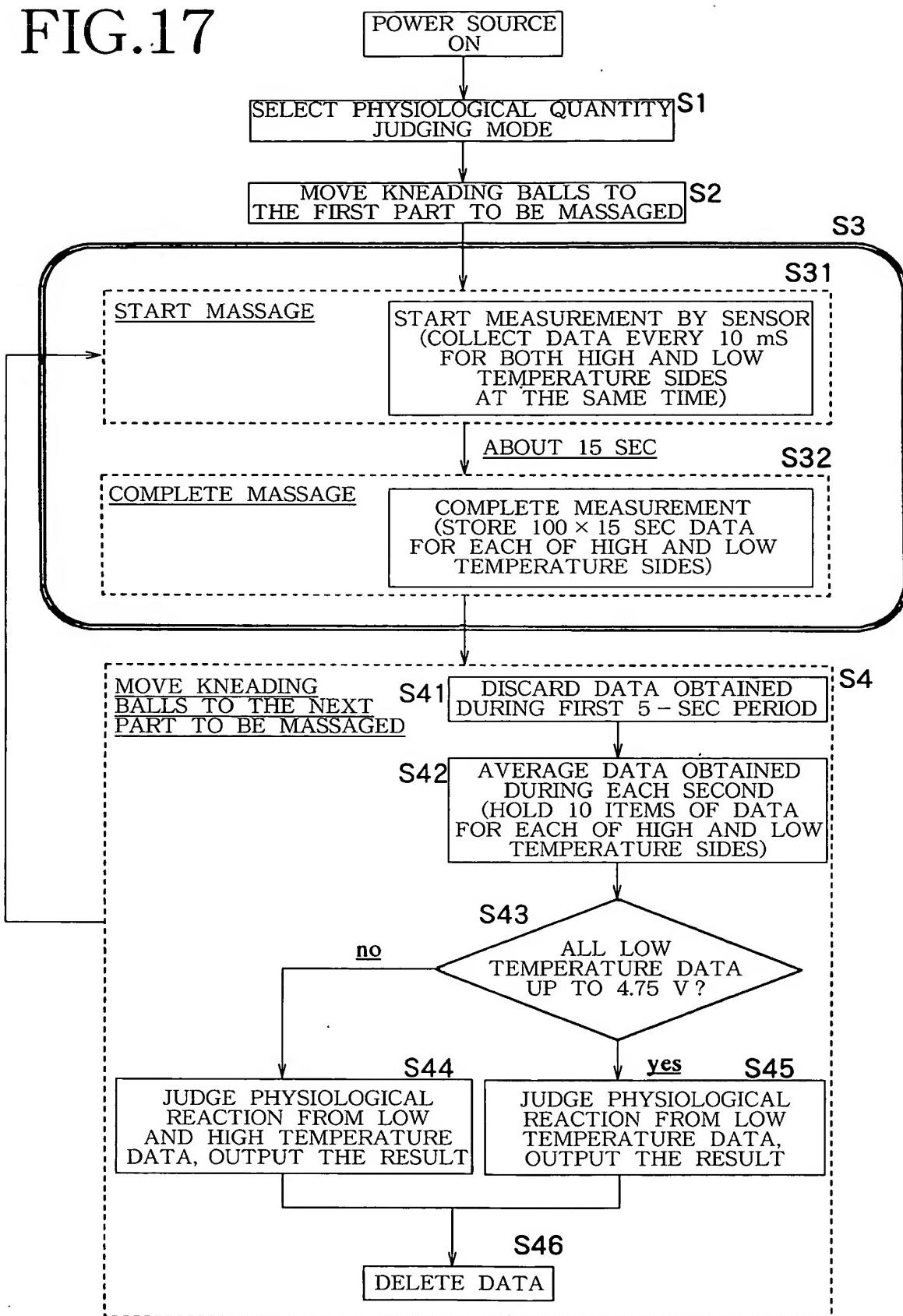


FIG.18

